BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Name of Work:-Detailed Estime for Providing Control Lines Control boxes and switches No-11 Kuvempunagara.

Budget Head :

Ward No. 11 Estimate No:- 06 For Rs. **1000000.00**

Sl No	SR Page & SL No	Description Of Work	Qty	Rate	Unit	Amount
1	33/5.2.2	Supply and erection of .....Mtr RCC Pole including earth work etc,. complete as per the standard technical specification of BESCOM 9Mtr 145Kg WL	Nos	10	8029.00	80290.00
2	50/6.41.1	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	Nos	42	2178.00	91476.00
3	46/6.13.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	42	4044.00	169848.00
4	64/7.21.7	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos	120	20.59	2470.80
5	49 /6.39.2	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm	Mtrs	50	263.00	13150.00
6	34/5.11	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Mtrs	4500	30.00	135000.00
7	34/5.9.1	1.1 KV Pin Insulator	Nos	82	44.00	3608.00
8	34/5.9.2	No. 8 Strain Insulator	Nos	65	14.00	910.00
9	33/5.4.2	2 Pin 45x45x5mm -510mm	Nos	120	306.00	36720.00
10	BESCOM SR 2018-19 49.02	Supplay and Laying of 1.1KV Class HR (Heat Resistant) PVC Insulated & UnSheathed Aluminium Wires Multistrand Single core Lead wires as per IS694: 2010 PVC Wire - 25 Sqmm Al Wt: 6.7 Kgs, Total Wt: 11.5Kgs for 100Mtrs	Per Mtr	950	32.31	30694.50

11	2/1.1.2	Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.25mm dia 2mm thick	Per Mtr	340	70.00	23800.00
12	AR	**Thiristor based single/ Three phase smart street light control and monitoring system** Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	Nos	8	51500.00	412000.00
		Mislenious				32.70
		Grand Total Rs				**1000000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 , BESCOM SR and Approved Rates.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 10-00 LAKHS RUPEES TEN LAKHS ONLY is accorded under the D1771 - ZONE WORKS DOW - WORKS

Registered as EE ( ) No. 06/2019-20 Subject to conditions contained in No. BBMP/EE/ELE/42/AS/06/2019-20 Dt 20-07-2019

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10-00 LAKHS RUPEES TEN LAKHS ONLY

Under D1771 ZONE WORKS DOW WORKS

Registered as EE ( ) No. 03/2019-20 Subject to conditions contained in enclosed memo No. BBMP/EE/ELE/42/AS/06/19-20 Dt. 20-07-2019

Technically Sanctioned BBMP/EE/ELE/42/TS/03/2019-20 Dated 20-07-2019 10-00 LAKHS

Executive Engineer